

SOLID WASTE



The City Landfill (shown above) was closed in 1995. The FY 2010-14 Capital Improvement Program provides funding to recover portions of the existing landfill and improve drainage at the site.



MUNICIPAL LANDFILL CAPPING

Department:	<u>PUBLIC WORKS</u>	Ranking:	<u>GROUP A</u>
Status of Project:	<u>REVISION</u>	Start/Finish Dates:	<u>JULY 2008</u> <u>JUN 2010</u>
Strategic Goal:	<u>1, 2</u>	Project Number:	<u>PW3403</u>

Project Description:

The former Municipal Landfill maintained three cells of operation where waste was buried. Surrounding the landfill's cells are buffer areas that were not part of the original determination as to the boundaries of waste. All waste was supposed to have been contained within the identified cells. After routine inspections of the landfill, there were areas of waste found to be exposed. As part of this work, DHEC required the City to verify the new boundaries of waste. Staff completed a series of test pits and visual inspections of the border of the landfill to determine the new boundary of waste. Upon completion of this work, there was waste found to be outside the permitted cells of the facility. Staff has identified areas that needed to be repaired and has already begun to make the necessary repairs to the landfill. A draft proposal has been completed for cover work to areas of the landfill where waste has been identified outside of the permitted footprint and that lacks sufficient cover.

Project Justification (Including Relationship to City Strategic Plan Goals/Objectives):

The City is under a post-closure agreement with DHEC. As part of this post-closure agreement, the City is responsible for 30 years of post-closure maintenance of this facility. This maintenance includes repairing portions of the facility where municipal solid waste becomes exposed or that could have negative environmental effects if not repaired. Failure to maintain the landfill in accordance with the provisions of this agreement can result in financial penalties.

Method for Estimating Cost:

The cost estimate for this project is for construction and engineering services to make necessary repairs to the landfill. Construction costs for this project have been developed in draft form for review by DHEC. There are two types of areas that will need repair. Type one areas have an immediate risk of debris entering surface water sources, and type two areas do not have sufficient cover over waste that has been buried.

Project Status (As of January 1, 2009):

The engineering work has been completed, and a draft report of corrective actions has been submitted to DHEC for approval.

PROJECT ITEMS	FUNDING TO-DATE	FY 09/10 COST	FY 10/11 COST	FY 11/12 COST	FY 12/13 COST	FY 13/14 COST	TOTAL PROJECT COST
Planning/Design	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000
Site Acquisition Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Improvements	\$181,179	\$1,029,303	\$0	\$0	\$0	\$0	\$1,210,482
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Management	\$0	\$129,518	\$0	\$0	\$0	\$0	\$129,518
TOTAL PROJECT COST	\$331,179	\$1,158,821	\$0	\$0	\$0	\$0	\$1,490,000
PROJECT FUNDING SOURCES (LIST)	FUNDING TO-DATE	FY 09/10 EST. FUNDS	FY 10/11 EST. FUNDS	FY 11/12 EST. FUNDS	FY 12/13 EST. FUNDS	FY 13/14 EST. FUNDS	TOTAL PROJECT FUNDING
State Revenue	\$181,179	\$0	\$0	\$0	\$0	\$0	\$181,179
Solid Waste Enterprise Fund	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000
General Obligation Bond - 2010	\$0	\$1,158,821	\$0	\$0	\$0	\$0	\$1,158,821
TOTAL PROJECT FUNDING	\$331,179	\$1,158,821	\$0	\$0	\$0	\$0	\$1,490,000
OPERATIONAL COSTS							
Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00
Cumulative FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00

